metry, with an introduction on the Theory of the Plane and the Straight line. Translated from the French. Chemnitz. Gr. 8vo., with plates in 4to. 6s.

Correspondence.

EGG-SHAPED SEWER.

SIR,—The subject of sewers and drainage having at this time deservedly obtained much public attention, the most eligible form, combined with the least possible expense, naturally becomes a leading feature in the question; and believing the following may give some little force to the information already published, I beg to mention it to you.

I last year built about 1,500 feet run, of the egg-shaped sewer, with the small end downwards, for T. O. Tyndall, Esq., in his park at Clifton, Bristol, preparatory to letting the frontage for villas and other building purposes, that form of sewer being considered, after much careful investigation, the best for keeping the current in the most compact body, and therefore of giving it the greatest power to carry off the soil and prevent accumulations in its course.

With regard to expense, it did not in the above case amount to two-thirds of even the estimated cost of making a sewer with upright sides, containing the same superficial open space of water-way. Not having found it desirable to change my good opinion of the egg-shaped form of sewer, I have lately prepared working drawings and specifications for upwards of 3,000 feet run of sewer of a similar description, which is proposed to be made at a neighbouring watering place, Clevedon.

Should the preceding statement be of any service, you are quite welcome to use it.

I am, Sir, &c.,

Dec. 15th, 1845. CHARLES DYER.

Miscellanea.

BUSTS, &c.—In addition to the busts of distinguished statesmen, warriors, and divines, already presented to Eton college, Earl Howe has signified his intention to contribute one of his grandfather, "the famous admiral of the 1st of June, 1794." Mr. Behnes has been selected to execute it. Colonel Reid, the new member for Windsor, has also signified his intention of presenting one of George the Third, and has commissioned Mr. Woodington to execute the same. Mr. Behnes, the sculptor, having expressed a desire to present a bust, executed by himself, of the great Lord Chatham, the college authorities have willingly accepted his offer.—Mr. Park has recently completed a study of a head of Campbell, the poet. It is of colossal size, and intended for a bronze statue proposed to be erected in Glasgow.—A committee is forming in London for the purpose of getting up a British testimonial in honour of the lately deceased American judge, Story; it is intended to offer to the benchers of Lincoln's-inn a marble statue of that great jurisprudential writer.

ARTIFICIAL STONE.—A patent has lately been granted to Mr. Pryce Buckley Williams, of Llegodir, Montgomeryshire, *for certain improvements in the manufacture of artificial stone.* The patentee employs for the base of his composition, sulphate of barytes, reduced to an impalpable powder, and mixed with some flux, such as fluor spar, quartz, borax, &c. For the production of a fair specimen of white marble, we are directed to take of sulphate of barytes four parts by weight, crown glass one part, and dried borax about one-fourth of the weight of the crown glass; these are to be finely pulverised and intimately mixed, then placed in a covered vessel, trough, or pot, according to the size and shape required, placed in a furnace, and subjected to an intense heat. When it is required to produce grained, or veined marble, the patentee employs those metallic oxides which are not volatile, and which are used for the same purposes by porcelain manufacturers.

VACANT DISTRICT SURVEYORSHIP.—Since our last impression two more candidates have started for the vacant district surveyorship of Shoreditch and Norton Falgate. They are Mr. William Moseley, of Upper Albany-street, and Mr. Herbert Williams, Great Ormond-street.

FIRE.—A fire-alarm bell, of immense dimensions, has been placed in a tower at New York. It weighs no less than 8,125lbs.

NEW CHURCH AT HOMERTON.—The new church in the High-road, at Homerton, now building by Mr. Geary, under the superintendence of Mr. A. Ashpitel, architect, is making satisfactory progress. It consists of chancel and nave with one aisle on the south side, and a tower at the west end of the nave. The walls, standing on concrete 5 feet 3 inches wide and 5 feet 8 inches deep, are formed externally of Kentish rag stone, and internally of the "hassock," and the dressings of doors, windows, &c., are of Caen stone. It is built under the church commissioners.

PUBLIC MUSEUMS.—The inhabitants of Bury St. Edmunds, in public meeting assembled, have resolved upon establishing a museum, under the Museums in Large Towns Act.

Tender.

For sewer (Holborn and Finsbury division), Southgate-road, Balls Pond: length 560 feet—first rate sewer.

Broderich	£710	0
Hill	690	0
Johnson	678	0
Smith	592	15
Jay	578	0

Bell-yard, Carey-street, second size, 500 feet long.

Smith	661	0
Hill	585	0
Eldred	578	0

NOTICES OF CONTRACTS.

[We are compelled by the interference of the Stamp Office to omit the names of the parties to whom tenders, &c., are to be addressed. For the convenience of our readers, however, they are entered in a book, and may be seen on application at the office of "The Builder," 2, York-street, Covent-garden.]

For supplying her Majesty's several dockyards with Welsh or Cornish slate.

For making and maintaining the Horsham and Keymer branches of the London and Brighton railway.

For the erection of a new church in West-street, Brighton.

APPROACHING SALES OF WOOD, &c.

BY AUCTION.

At Halstead Lodge, Halstead: numerous oak, ash, elm, willow, and fir trees, &c.

At Steeple Bumpstead: about 300 elm timber trees, of exceedingly large dimensions.

At Waresley Wood, Huntingdonshire: six acres of excellent underwood, with long straight poles, and several lots of ash and elm spires.

At the Hassels, Sandy, Bedfordshire: the first fall this season of very choice straight Larch and Scotch spires.

At Steeple Bumpstead: 150 remarkably fine ash timber trees, beautifully clean and very straight, now laying on the Bower Hall estate.

On the Estate of the Earl of Denbigh, at Newnham Paddox: a large quantity of very superior ash and larch poles, cord-wood, &c.

At Kneesworth, Cambridgeshire: a quantity of ash, elm, beech, plane, sycamore, and poplar timber trees; also 730 ash, elm, fir, and other poles and spires. The ash are straight, grained, and tough, and the beech fit for cabinet work.

On the White House Estate, Halstead: a quantity of ash, elm, fir, and other timber trees, &c.

TO CORRESPONDENTS.

"A Subscriber" (architects' commission) *will see the subject has not escaped us.*

"G. H."—*A. is unquestionably liable, and may be proceeded against by action at law. A weekly tenant is liable for any voluntary waste, broken glass, woodwork wilfully injured, &c. although not bound to do any repairs.*

"Puzzolana."—*Messrs. White and Sons, Millbank-street, could supply* 100 *tons at* 42*s. per ton.*

"A. P."—*Next week. Address J. S. Russell, Esq., Secretary, Society of Arts, Adelphi, London.*

"Tyro."—*The* Archæologia (*pronounced Archyologea*) *is the title of the volume issued annually by the Society of Antiquaries, and consists of miscellaneous papers relating, as the name imports, to antiquity.*

"Fall of Houses, Wandsworth Road."—*Mr. Rogers, District Surveyor, informs us, with reference to our leading article last week, that the accident was caused by an improper excavation of the basement story below the foundation of the walls, without his knowledge, and that the jury expressed their satisfaction with the performance of his duty.*

"T. L. C."—*Plane geometry will suffice at present. Lose no time in acquiring perfect command of the pencil.*

"Colour to Bricks."—*A correspondent wishes to know "The material for giving a durable brown colour to bricks or tiles by burning it when they are made."*

"T. C."—*There are few evening schools in London for teaching geometry, geometrical drawing, and architecture; free-hand drawing, and design in general. We have at different times given the names of one or two private establishments, but cannot now refer to them.*

"T. B."—*The price book he has heretofore used will answer his purpose.*

"Surveyor."—*The communication referred to has not reached us.*

"F. W. M."—*We know no book that will make him a competent surveyor of house property between this time and March.*

"A Constant Subscriber" (Enfield).—*We do not place much confidence in the societies alluded to.*

"J. W." (Islington).—*The inquiry is out of our province.*

"P. R. L." *wishes to know how to take paint off oak panelling without scraping. Pearl-ash would effect it, but would blacken the wood.*

"A Novice."—*Thin paper will answer the purpose.*

"A Subscriber" (Canterbury) *will find some useful information on staircases towards the end of the second volume of the* BUILDER, *and beginning of the present volume. Peter Nicholson's work on staircases, published by Taylor, is, perhaps, the best separate work on the subject accessible.*

"O. H."—*We know of no fuller account of the Temple of Juno Lucina, at Agrigentum, than those named.*

"H. A. W." (Blackburn).—"*The public works of Great Britain,*" *is now being reprinted. The price is* 4*l.* 4*s. in half morocco. It is a fine work.*

"E. H. R." *should submit his invention to the examination of some friend in whom he has confidence before incurring any expense.*

"Constant Subscriber," "Orphan," "Old Subscriber," *will find Bruff's* Treatise on Engineering Fieldwork, containing Practical Land Surveying for Railways, &c., *published by Simpkin and Marshal, a useful work. Pupils are required to provide their own drawing instruments.*

"Mr. Badger's" *communication reached us too late for the present number.*

Next week:—Report of special committee of Sewers Commissioners in reply to Mr. Leslie's pamphlet; "Manchester School of Design;" "R. C. L." "T. A. H."

Received:—"J. K." "J. S." "J. C." "T. E." "W. B." "Sporting Architecture," by George Tattersall: Ackermann, 191, Regent-street. "Mephystopheles," No. 2.

*** Correspondents are requested to address all communications to the EDITOR, York-street.

ADVERTISEMENTS.

NOTICE.—INVENTORS desirous of obtaining LOANS ON or of SELLING their INVENTIONS, or Patents, should apply to Mr. M. JOSCELIN COOKE, at the OFFICE for PATENTS, Warwick chambers, Warwick-court, Gray's-inn, London, where English and Foreign Patents are obtained, and Designs registered. An INDEX is kept for inspection of all Patents granted for the last century: also copies of every Patent of importance. Instructions to Inventors and a list of charges gratis on application.

BIELEFELD'S PAPIER MACHÉ.—The superiority of the Papier Mâché for the purposes of ARCHITECTURAL DECORATIONS is now so generally admitted, that it is needless to argue it. The introduction of Papier Mâché into most of the public and private buildings in the country is the best proof of its merits. Ornaments may be had in almost every style, and pattern-books, containing more than a thousand executed designs. Price 1*l.*

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